

**ABSTRACT**

5 A process for the fluid catalytic cracking of mixed hydrocarbon feeds from  
different sources is described, such as feeds A and B of different crackability,  
the process being especially directed to obtaining light fractions such as LPG  
and comprising injecting feed A in the base of the riser reactive section and  
feed B, of lower crackability, at a height between 10% and 80% of the riser, with  
10 feed B comprising between 5% and 50% of the total processed feed. The  
process requires that the feeds present differences in the contaminant content,  
improved dispersion of feeds A and B and feed B injection temperature same or  
higher than that of feed A.